

LISTING OF THE CLAIMS

1. (Currently Amended) An electromedical implant for intracardial coronary therapy comprising:

an implant housing; and

~~in which~~ functional component parts of the implant disposed in said housing,
wherein said functional components comprise, ~~namely~~ a circuit, and a battery; ~~and the~~
~~like, are disposed,~~

wherein ~~characterized in that~~ the battery (10) has a flat side (10.2), an underside (10.3) and a peripherally extending narrow side, (10.1) and the battery (10) is arranged with its underside (10.3) located on an internal base surface (18.1) of the implant housing (18) and the circuit (22) is arranged in adjacent relationship with a flat side (10.2) of the battery (10).
2. (Currently Amended) ~~The~~ An electromedical implant ~~as set forth in~~ according to claim 1, wherein ~~characterized in that~~ the circuit (22) includes a component carrier which carries (26) ~~with equipment set (electronic components (24)),~~ and wherein an underside (22.1) of the component carrier (26) ~~and the circuit (22) is arranged in adjacent relationship with~~ to the flat side (10.2) of the battery (10).
3. (Currently Amended) ~~The~~ An electromedical implant ~~as set forth in~~ according to claim 2, ~~characterized in that~~ wherein the circuit (22) is fixed to the flat side (10.2) of the battery (10).

4. (Currently Amended) The An ~~electromedical implant as set forth in~~ according to claim 3,
~~characterized in that provided~~ further comprising structures that compensate for
discharge-induced swelling of the battery, wherein said structures are located between the
flat side (10.2) of the battery (10) and the underside (22.1) of the circuit (22) ~~are~~
~~structures (34) which compensate for discharge induced swelling of the battery (10).~~
5. (Currently Amended) The An ~~electromedical implant as set forth in~~ according to claim 4,
~~characterized in that~~ wherein the structures (34) include free spaces between the battery
(10) and the circuit (22).
6. (Currently Amended) The An ~~electromedical implant as set forth in~~ according to claim 4,
~~characterized in that~~ wherein the structures (34) include joining elements (36) between
the battery (10) and the circuit (22), ~~which~~ wherein said elements permit a relative
movement of the circuit (22) with respect to the battery (10).
7. (Currently Amended) The An ~~electromedical implant as set forth in~~ according to claim
1, ~~characterized in that~~ wherein the circuit (22) includes a component carrier which
carries (26) ~~with equipment set (electronic components (24))~~ and wherein an underside
(22.1) of the component carrier (26) ~~and the circuit (22)~~ is arranged in adjacent
relationship with an inward side (30.1) of an upper half-shell portion (30) of the implant
housing (18).
8. (Currently Amended) The An ~~electromedical implant as set forth in~~ according to claim 7,
~~characterized in that~~ wherein the battery (10) does not fill the entire internal base surface
(18.1) of the implant housing, (18) ~~but there are provided small~~ and free spaces are

provided, and ~~(20) and~~ the circuit ~~(22)~~ and the battery ~~(10)~~ are arranged relative to each other in such a way that at least one of the electronic components ~~(24) of great structural height project projects~~ into those a free spaces ~~(20) after mounting space upon assembly~~ of the electromedical implant.

9. (Currently Amended) The ~~An~~ electromedical implant ~~as set forth in~~ according to claim 1, ~~characterized in that~~ wherein the flat side ~~(10.2)~~ of the battery ~~(10)~~ and the circuit ~~(22)~~ have a heightwise ~~profile~~ profiles which is ~~are matched~~ complementary to each other.
10. (Currently Amended) The ~~An~~ electromedical implant ~~as set forth in~~ according to claim 9, ~~characterized in that~~ wherein the circuit has a ~~(22) in its contour that~~ follows the heightwise profile of the battery, ~~(10)~~ and the electronic components ~~(24)~~ of the circuit ~~(22)~~ are so arranged that an overall height of the two component parts which are stacked in mutually superposed relationship is less than about 5.9 mm. ~~minimized.~~
11. (Currently Amended) The ~~An~~ electromedical implant ~~as set forth in~~ according to claim 1, ~~claim 2, claim 7 or claim 9 characterized in that there is provided~~ additionally comprising a mounting element ~~(32)~~ which ~~accommodates~~ engages the circuit ~~(22)~~.
12. (Currently Amended) The ~~An~~ electromedical implant according to claim 1, wherein said ~~as set forth in one or more of claims 1 through 11 characterized in that the further component part or all functional component parts are disposed in the implant housing, (18) are~~ and wherein the battery and circuit are stacked one upon the other starting from the internal base surface of the implant housing ~~(18)~~.

13. (Currently Amended) The An electromedical implant according to claim 2, wherein the width of the battery in all regions in opposite relationship to the circuit is less than about 3.9 mm, and wherein the height of the electronic components is less than about 2 mm, and wherein the height of the component carrier is less than about 0.25 mm as set forth in one or more of claims 2 through 12 characterized in that the equipment set of the circuit (22) is of the smallest possible structural height.
14. (Currently Amended) The An electromedical implant according to claim 1, wherein as set forth in one or more of claims 1 through 13 characterized in that the implant housing (18) comprises a first and a second two half-shell portions (16, 30) portion, and wherein the first one of the half-shell portions (16, 30) portion is at the same time a housing shell portion (38) of the battery (10).
15. (Currently Amended) The An electromedical implant according to claim 1, wherein as set forth in one or more of claims 1 through 13 characterized in that the implant housing (18) comprises a first and a second two half-shell portion portions (16, 30) and wherein both half-shell portions (16, 30) of the implant housing (18) at the same time form the housing shell portions (38) of the battery (10) and the circuit (22) and wherein the all further functional component parts of the implant are hermetically sealed with respect to an electrolyte of the battery (10).
16. (Currently Amended) The An electromedical implant according to as set forth in claim 1, wherein the implant housing comprises a first and a second half-shell portion and wherein 14 or claim 15 characterized in that the first and second half-shell portions (16, 30) of the implant housing (18) are in the form of snap-engagement shell portions.

17. (Currently Amended) The ~~An~~ An electromedical implant according to as set forth in claim 14 or claim 15 characterized in that wherein the housing shell portion (38) of the battery (40) comprises a biocompatible material.
18. (Currently Amended) The ~~An~~ An electromedical implant according to as set forth in claim 17, wherein characterized in that the housing shell portion of the battery comprises (38) is of titanium.
19. (Currently Amended) The ~~An~~ An electromedical implant according to claim 1, wherein as set forth in one of the preceding claims characterized in that the circuit (22) extends over > about 80%, in particular > 90%, particularly preferably > 95% of the flat side (10.2) of the battery (10).
20. Currently Amended) The ~~An~~ An electromedical implant according to claim 1, wherein as set forth in one of the preceding claims characterized in that the battery (10) and the circuit (22) occupy > about 85%, in particular > 90% and particularly preferably > 95% of the overall volume of the housing.